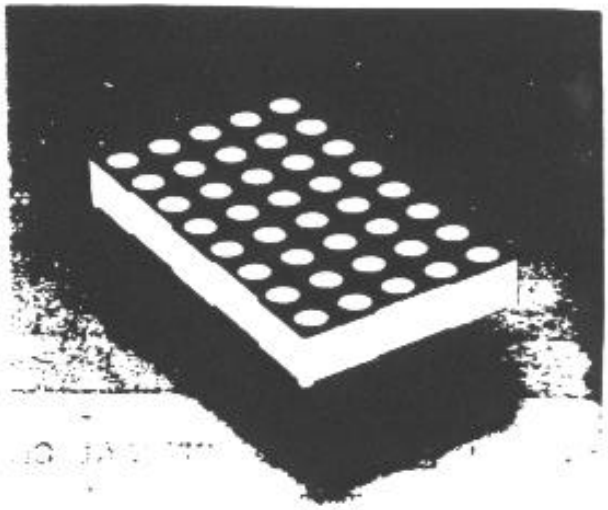
Jameco Part number 100028

LTP- 2058A/2158A SERIES
2458AA/2558AA

2.3"5 x 8 SINGLE COLOR & MULTICOLOR DOT MATRIX DISPLAYS

FEATURES

- 1.3 INCH (58.42mm) MATRIX HEIGHT
- LOW POWER REQUIREMENT
- HIGH CONTRAST
- HIGH BRIGHTNESS
- SINGLE PLANE, WIDE VIEWING ANGLE.
- 5 x 7 ARRAY WITH X-Y SELECT.
- COMPATIBLE WITH USASCII AND EBCDIC CODES.
- STACKABLE VERTICALLY AND HORIZONTALLY.
- CHOICE OF TWO MATRIX ORIENTATION CATHODE ROW OR CATHODE COLUMN.
- EASY MOUNTING ON P.C. BOARD.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- SINGLE COLOR DISPLAYS HAVE THE CHOICE OF FOUR BRIGHT COLORS-GREEN / YELLOW / ORANGE / HIGH EFFICIENCY RED.
- MULTICOLOR DISPLAYS ARE APPLICABLE TO THREE BRIGHT COLORS GREEN, ORANGE AND YELLOW (GREEN AND ORANGE MIXED)



DESCRIPTION

The LTP 2 x 58A series are 2.3 inch (30.48mm) matrix-height 5 x 7 dot matrix displays.
The LTP-2458AA/2558AA are multicolor applicable displays. The multicolor displays have gray face and white dot color.
The LTP-2058A / 2158A series are single color displays. The green, Yellow and orange displays have gray face and white dot color. The high efficiency red displays have red face nd red dot color.
The green series devices utilize LED chips which are mad e from GaP on a transparent GaP substrate.
The yellow, orange and high efficiency red series devices utilize LED chips which are made from GaAsP on a transparent GaP substrate.

PART NO. LTP=					DESCRIPTION	PACKAGE DIMENSION	INTERNAL CIRCUIT DIAGRAM
GREEN	YELLOW	ORANGE	HI.EFF.RED	MULTI-COLOR			
2058AG	2058AY	2058AE	2058AHR	-	Anode Column Cathode Row	A	A
2158AG	2158AY	2158AE	2158AHR	-	Cathode Column, Anode Row	A	B
-	-	-	-	2458AA	Anode Column, Cathode Row	B	C
-	-	-	-	2558AA	Cathode Column, Anode Row	B	D

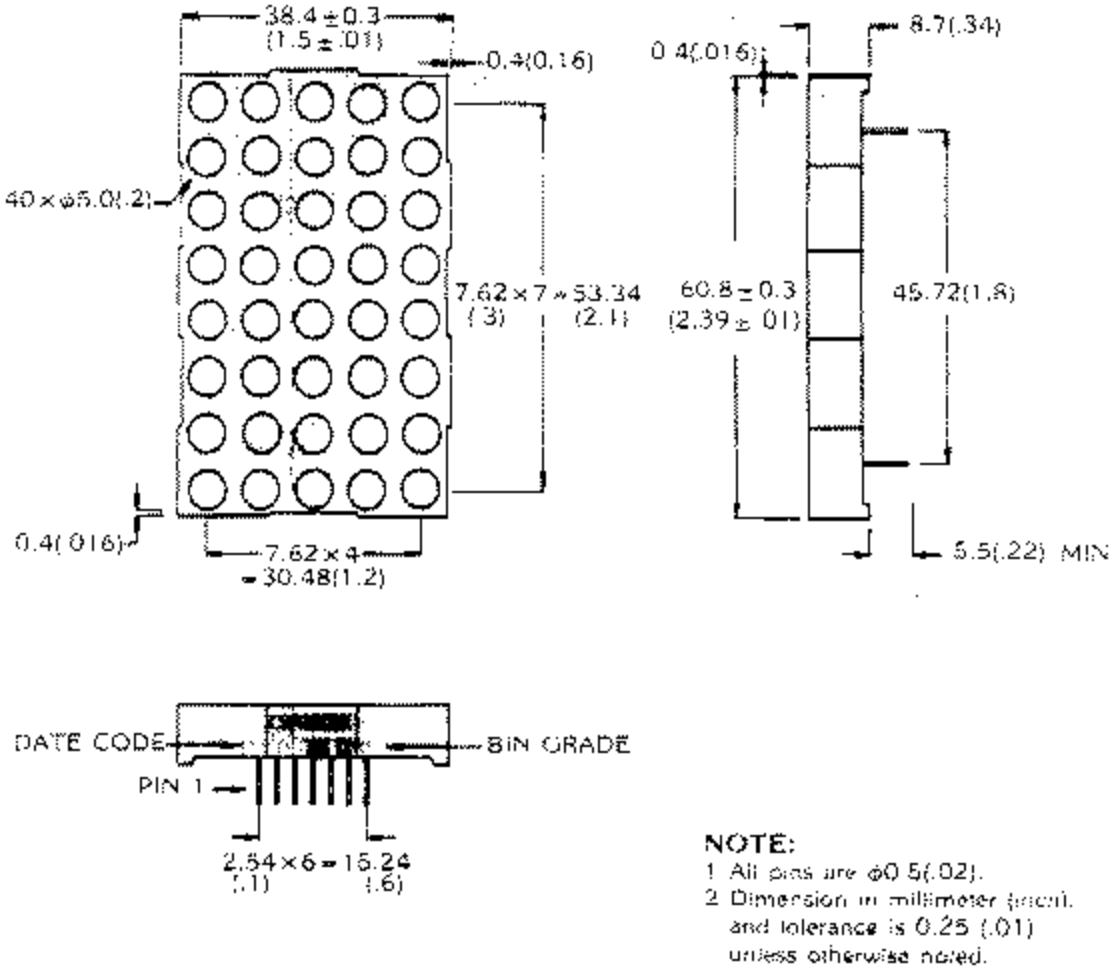
Jameco Part number 100028

2.3" (58mm) DOT-MATRIX DISPLAY
CSM-58211 / 58221 SERIES

Selection Guide

PART NUMBER				DESCRIPTION	
SUPER BRIGHT RED	ORANGE	YELLOW GREEN	YELLOW	COLUMN	ROW
CSM-58211AL	CSM-58211E	CSM-58211G	CSM-58211Y	Anode	Cathode
CSM-58221AL	CSM-58221E	CSM-58221G	CSM-58221Y	Cathode	Anode

Mechanical Dimensions

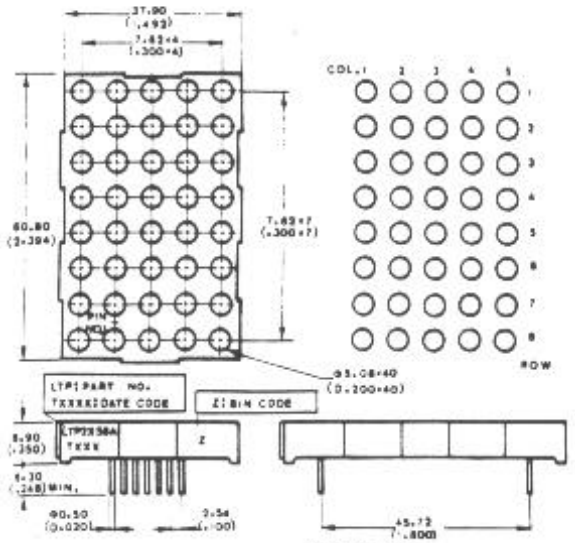


NOTE:
1 All pins are φ0.5(.02).
2 Dimension in millimeter (inch), and tolerance is 0.25 (.01) unless otherwise noted.

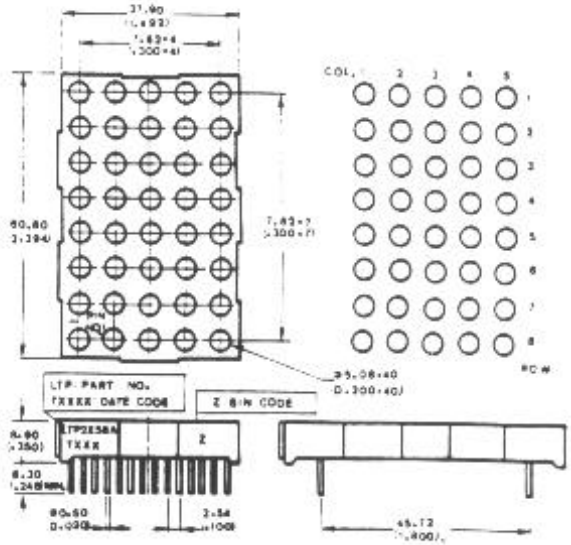
Jameco Part number 100028

PACKAGE DIMENSIONS

A. LTP-2058A/2158A



B. LTP-2458AA/2558AA



NOTE: All dimensions are in millimeters (inches) tolerance are:

1. Lead length (from seating plane): minimum value $\frac{+1.00}{-0.00}$ mm ($\frac{+0.040''}{-0.000''}$) 2. $\frac{\pm 0.25mm}{(0.010'')}$ unless otherwise noted.

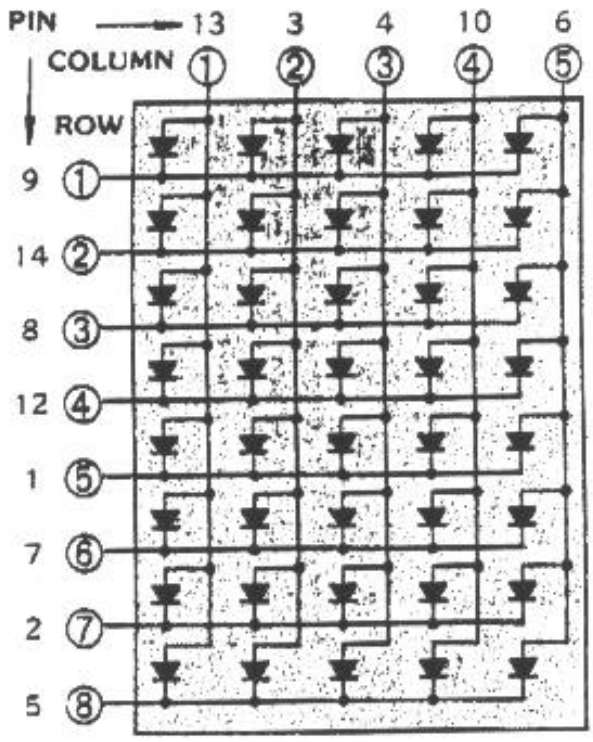
PIN CONNECTION

PIN NO.	CONNECTION	
	A. LTP-2058A	**B. LTP-2158A**
1	Cathode Row 6	Anode Row 6
2	Cathode Row 8	Anode Row 8
3	Anode Column 2	Cathode Column 2
4	Anode Column 3*1	Cathode Column 3*1
5	Cathode* Row 5	Anode Row 5
6	Anode Column 5	Cathode Column 5
7	Cathode Row 7	Anode Row 7
8	Cathode Row 3	Anode Row 3
9	Cathode Row 1	Anode Row 1
10	Anode Column 4	Cathode Column 4
11	Anode Column 3*1	Cathode Column 3*1
12	Cathode Row 4	Anode Row 4
13	Anode Column 1	Cathode Column 1
14	Cathode Row 2	Anode Row 2

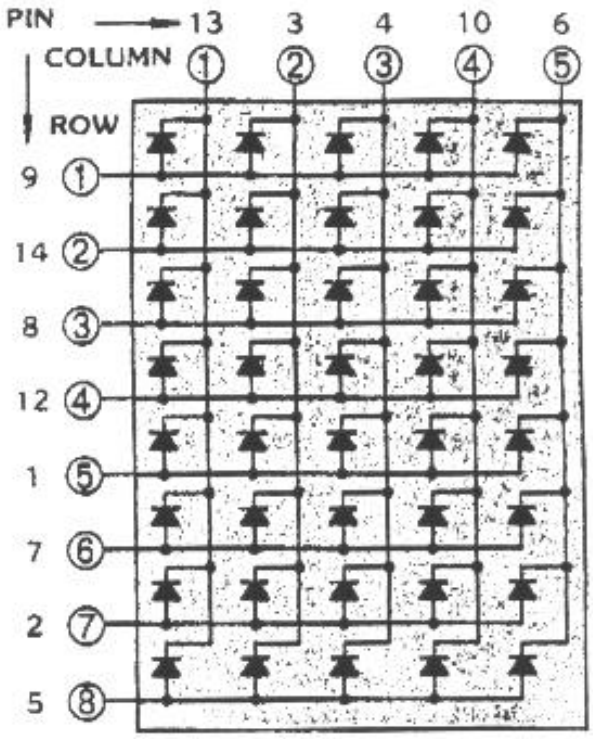
NOTE 1. Pin 4 & 11 are internally connected.

Jameco Part number 100028

CSM-58211



CSM-58221



CSM=58211

PIN NO.	FUNCTION	PIN NO.	FUNCTION
1	Cathode Row 5	8	Cathode Row 3
2	Cathode Row 7	9	Cathode Row 1
3	Anode Column 2	10	Anode Column 4
4	Anode Column 3	11	Anode Column 3
5	Cathode Row 8	12	Cathode Row 4
6	Anode Column 5	13	Anode Column 1
7	Cathode Row 6	14	Cathode Row 2

CSM=58221

PIN NO.	FUNCTION	PIN NO.	FUNCTION
1	Anode Row 5	8	Anode Row 3
2	Anode Row 7	9	Anode Row 1
3	Cathode Column 2	10	Cathode Column 4
4	Cathode Column 3	11	Cathode Column 3
5	Anode Row 8	12	Anode Row 4
6	Cathode Column 5	13	Cathode Column 1
7	Anode Row 6	14	Anode Row 2